



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: VAN BERKEL

Application No.: 09/910,269

Examiner:

Date Filed: July 19, 2001

Group:

For: THIN-CHANNEL ELECTRODE ELECTROSPRAY EMITTER

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CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on

10/12/01

Neil R. Jetter

Reg. No. 46,803

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 which the Examiner may deem relevant to patentability of the claims of the above-identified application.

The submission of the listed documents are not intended as an admission that any listed document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent

reference against the claims of the present application.

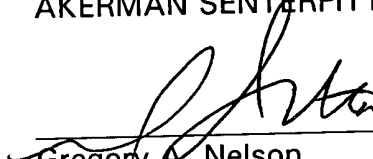
Applicant respectfully requests that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

Although no fee is believed due, the Commissioner is hereby authorized to charge any fees which may be required by submission of these papers to Deposit Account No. 50-0951.

Respectfully submitted,

AKERMAN SENTERFITT & EIDSON, P.A.

Dated: 10/12/01



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Docket No. 6321-200

Sheet 1 of 1

Form PTO-1449
(Rev. 2-88)

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

6321-200

ATTY. DOCKET NO. APPLICATION NO.
09/910,269

APPLICANT
VAN BERKEL

FILING DATE
7/19/01

GROUP

U.S. PATENT DOCUMENTS

EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	4,861,988	8/29/89	Henion et al.			
DA	5,869,832	2/9/99	Wang et al.			
DA	5,879,949	3/9/99	Cole et al.			
DA	5,975,426	11/2/99	Myers			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DA		P. Kebarle, "A brief overview of the present status of the mechanisms involved in electrospray mass spectrometry" J. Mass Spectrom. 35, (2000) pgs. 804-817
DA		Van Berkel, "Insights into Analyte Electrolysis in an Electrospray Emitter from Chronopotentiometry Experiments and Mass Transport Calculations", J. Am. Soc. Mass Spectrom., 2000, 11, pgs. 951-960
DA		Van Berkel, "Electrolytic corrosion of a stainless-steel electrospray emitter monitored using an electrospray-photodiode array system", J. Anal. At. Spectrom., July 1995, Vol. 13, pgs. 603-607
DA		Van Berkel, et al., "Derivatization for Electrospray Ionization Mass Spectrometry. 3. Electrochemically Ionizable Derivatives" Anal. Chem., Vol. 70, pgs. 1544-1554
DA		Van Berkel, et al., "Changes in bulk solution pH caused by the inherent controlled-current electrolytic process of an electrospray ion source" Int. J. Mass Spectrom. Ion Processes, 162 (1997) pgs. 55-67
DA		Van Berkel, "The Electrolytic Nature of Electrospray", Electrospray Ionization Mass Spectrometry, Edited by Richard B. Cole, ISBN 0-471-14564-5 (1997) pgs. 65-105
DA		Van Berkel, et al., "Observation of Gas-Phase Molecular Ions Formed from Neutral Organics in Solution via the Controlled-Current Electrolytic Process Inherent to Electrospray", J. Am. Soc. Mass Spectrom., 7 (1996) pgs. 157-162
DAV		Van Berkel, et al. "Electrospray as a Controlled-Current Electrolytic Cell: Electrochemical Ionization of Neutral Analytes for Detection by Electrospray Mass Spectrometry", Anal. Chem., 67, No. 21, November 1, 1995, pgs. 3958-3964
DA		Zhou, et al., "Electrochemistry Combined On-Line with Electrospray Mass Spectrometry", Anal. Chem., Vol. 67, No. 20, October 15, 1995, pgs. 3643-3649
DA		Van Berkel, et al., "Characterization of an Electrospray Ion Source as a Controlled-Current Electrolytic Cell", Anal. Chem., Vol. 67, No. 17, Sept. 1, 1995, pgs. 2916-2923
DA		Van Berkel, et al., "Electrochemical Origin of Radical Cations Observed in Electrospray Ionization Mass Spectra", Anal. Chem., Vol. 64, No. 14, July 15, 1992, pgs. 1586-1593
DA		Kertesz, et al., "Minimizing analyte electrolysis in an electrospray emitter" J. Mass Spectrom., 36 (2001), pgs. 204-210
DA		Van Berkel, et al., "Electrochemical Processes in a Wire-in-a-Capillary Bulk-Loaded, Nano-Electrospray Emitter", J. Am Soc. Mass Spectrom. 12, (2001), pgs. 853-862
DA		Richard B. Cole "Some tenets pertaining to electrospray ionization mass spectrometry" J. Mass Spectrom., 35 (2000) pgs. 763-772
DA		de la Mora, et al., "Electrochemical processes in electrospray ionization mass spectrometry" J. Mass Spectrom., 35 (2000), pgs. 939-952
DA		Van Berkel, "Electrolytic deposition of metals on to the high-voltage contact in an electrospray emitter: implications for gas-phase ion formation", J. Mass Spectrom., 35, (2000), pgs. 773-783
DA		Van Berkel, et al. "Computational Simulation of Redox Reactions within a Metal Electrospray Emitter", Anal. Chem., Vol. 71, No. 23, Dec. 1, 1999, pgs. 5288-5296

EXAMINER: *[Signature]* DATE CONSIDERED: *5/13/03*

* EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.